103

PERFORM FLATTENING CONTROL BY RAMAN AMPLIFIER

COLLECT INFORMATION PREVAILING BEFORE PRE-EMPHASIS

104

EXECUTE PRE-EMPHASIS

102

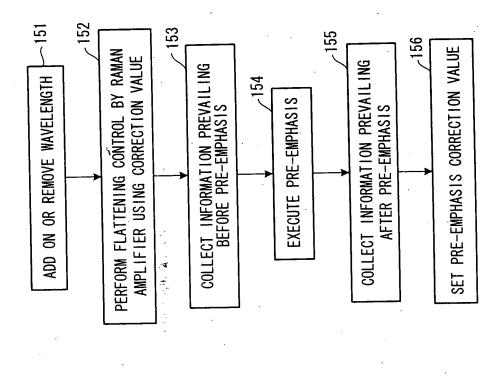
101

AT INITIAL START-UP

START UP OPTICAL AMPLIFIER AND RAMAN AMPLIFIER

F16. 1A

WHEN WAVELENGTH IS ADDED ON OR REMOVED



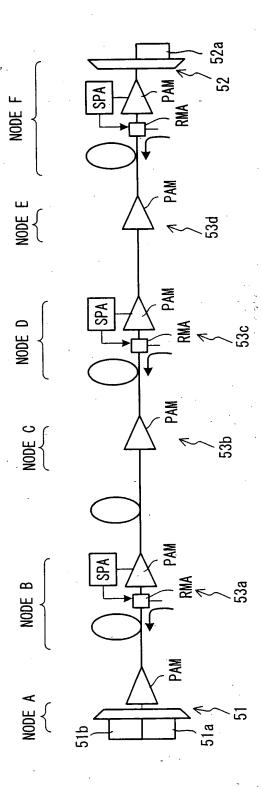
105

COLLECT INFORMATION PREVAILING AFTER PRE-EMPHASIS

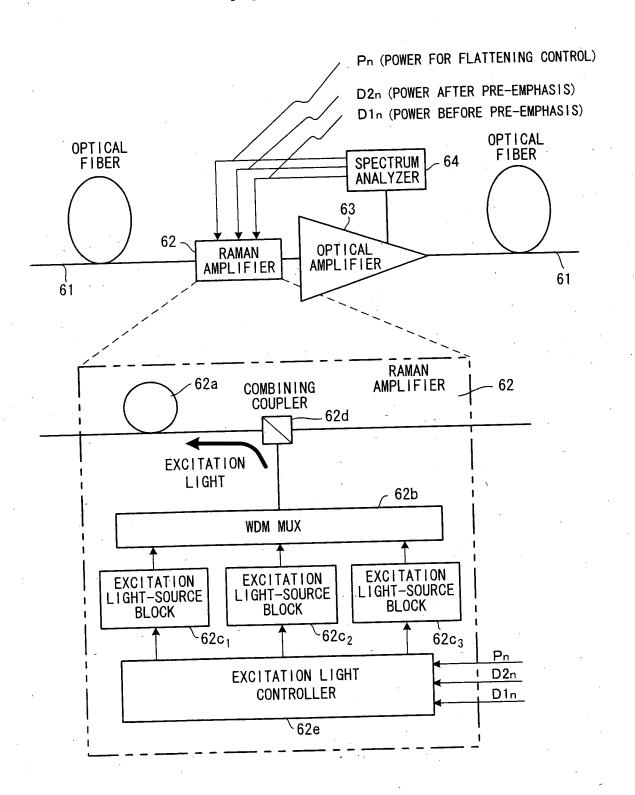
106

SET PRE-EMPHASIS CORRECTION VALUE



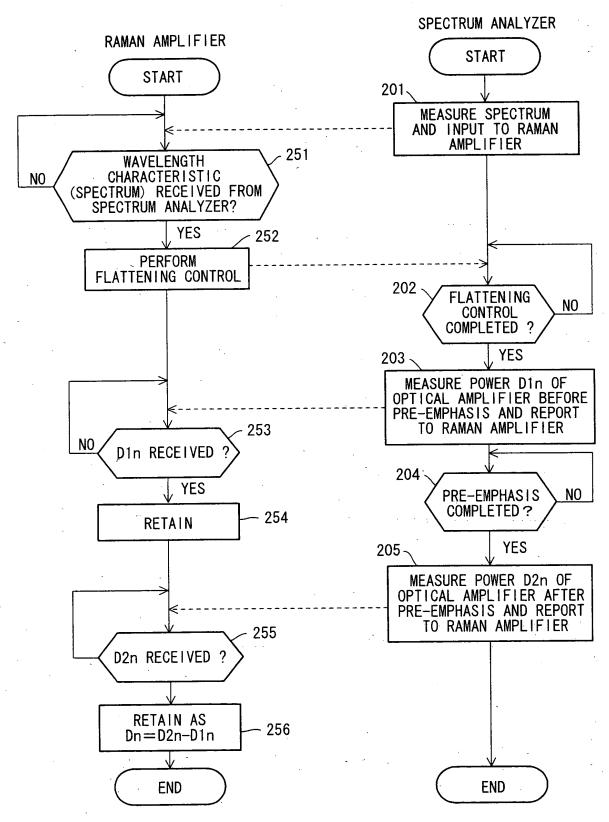


F/G. 3

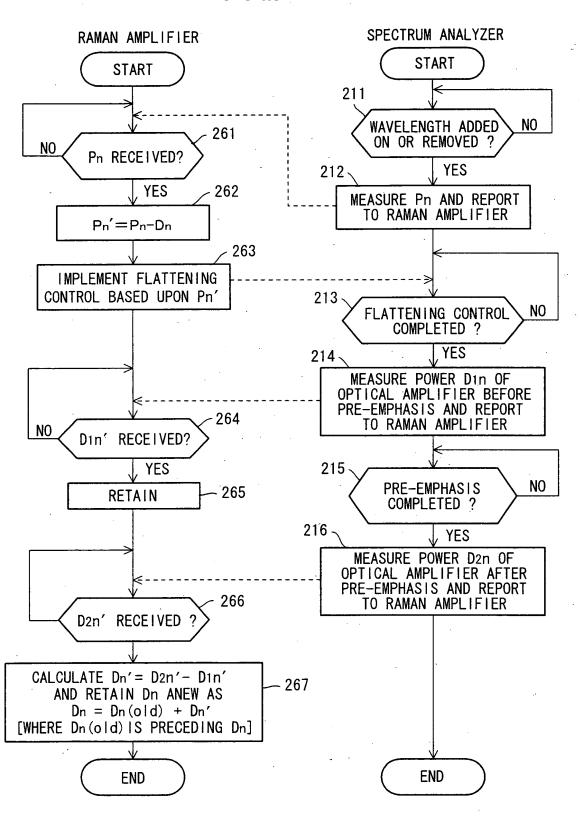


4/16

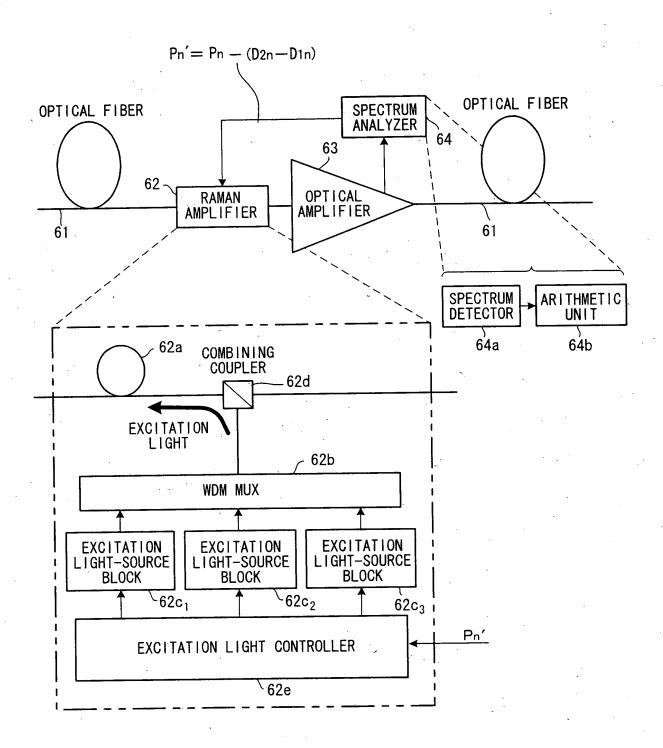
FIG. 4



5/16 **F/G.** 5



F/G. 6



F/G. 7

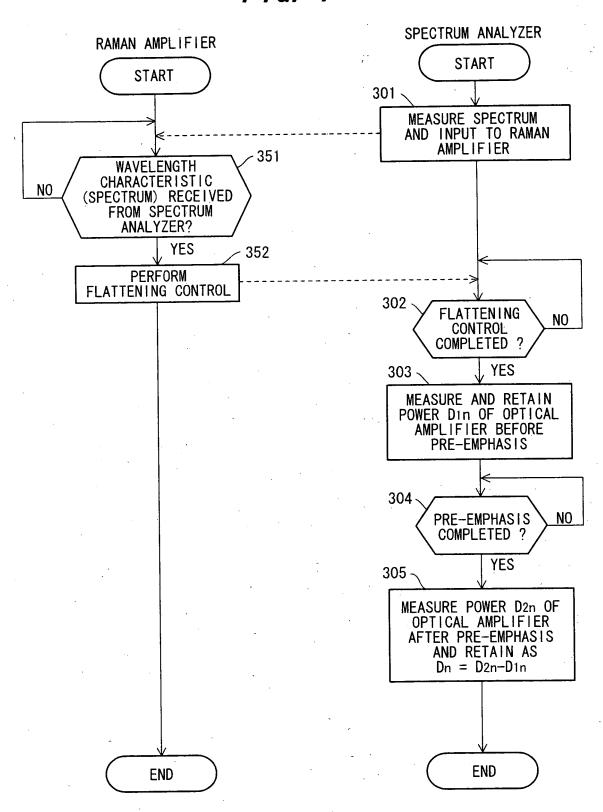
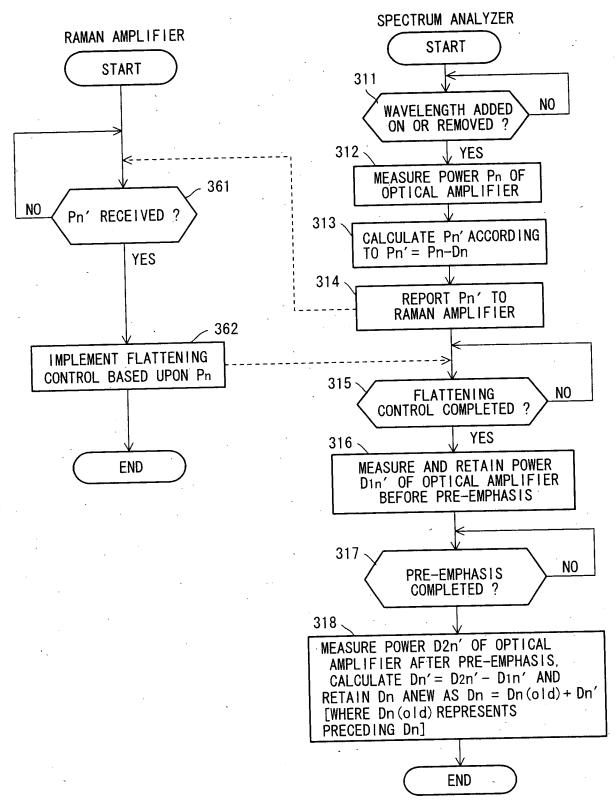
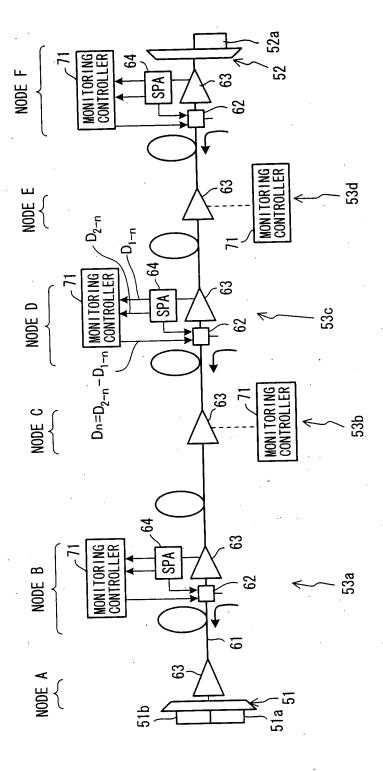


FIG. 8





F/G. 9

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FIG. 10

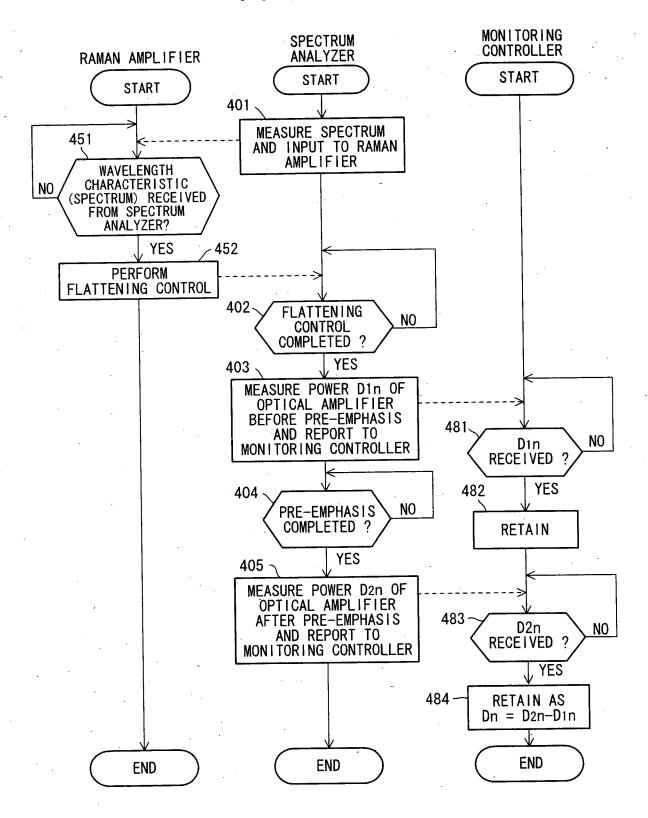
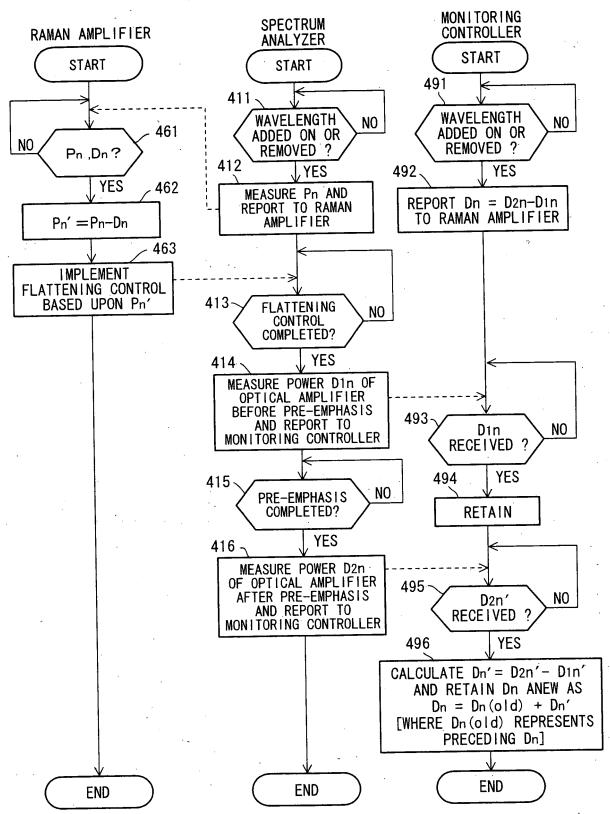
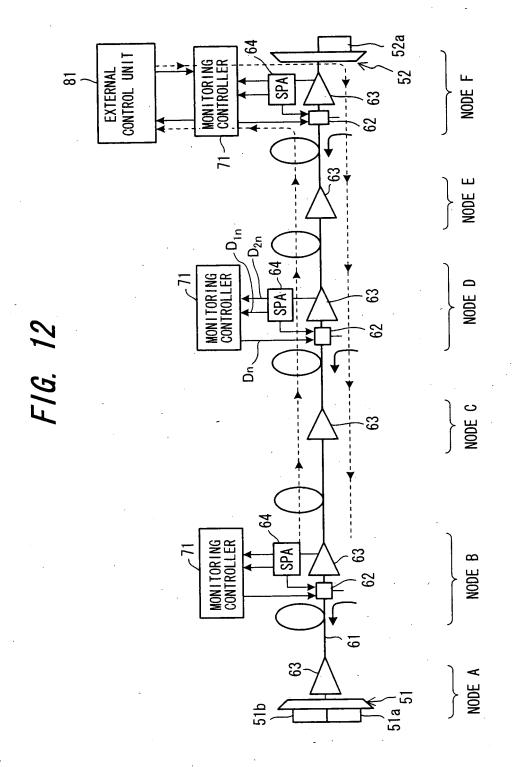


FIG. 11





13/16 *F/G. 13*

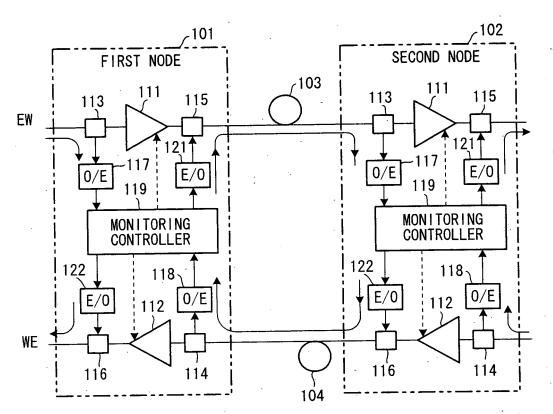
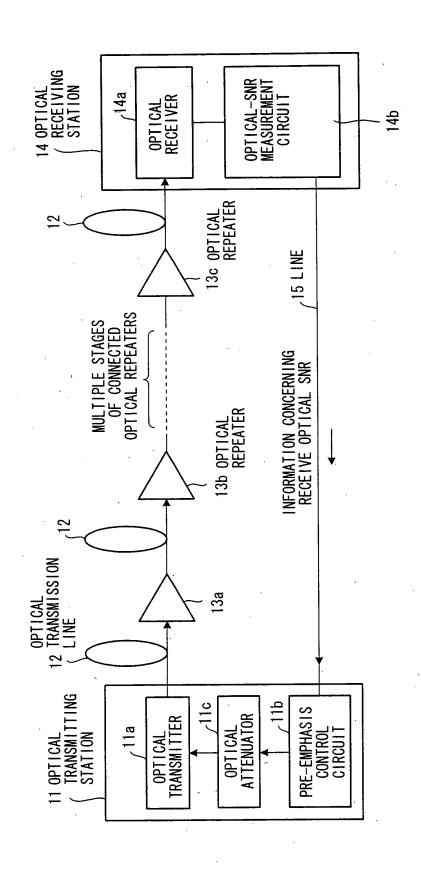


FIG. 14 PRIOR ART



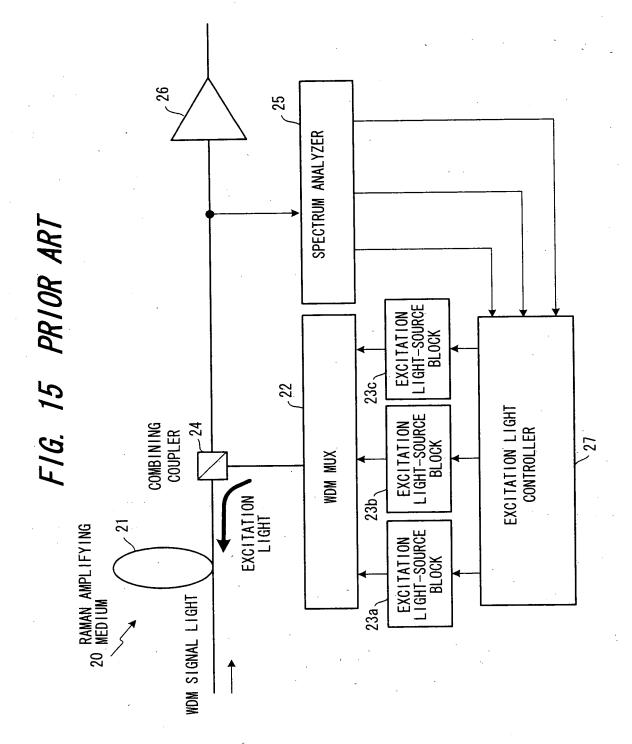


FIG. 16 PRIOR ART

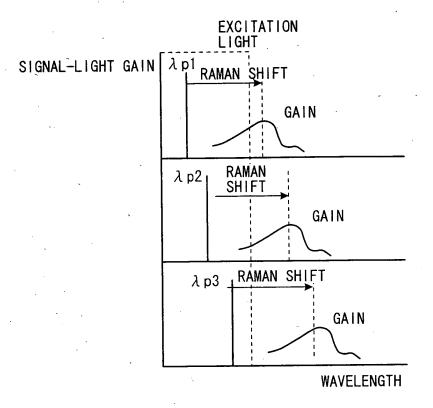


FIG. 17 PRIOR ART

SIGNAL-LIGHT GAIN

